

As an industry-leading manufacturer of compressed air systems, KOTECH promise air nationwide service network provides system services at all times.



Kotech Brand: KOMPRESSOR TECHNOLOGY INNOVATION  
Kotech Vision: To be the Pioneer in Industrial Equipment  
Kotech Mission: Constantly Improve the Ability of Resource Integration

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## Rotary Screw Compressors KFU Series

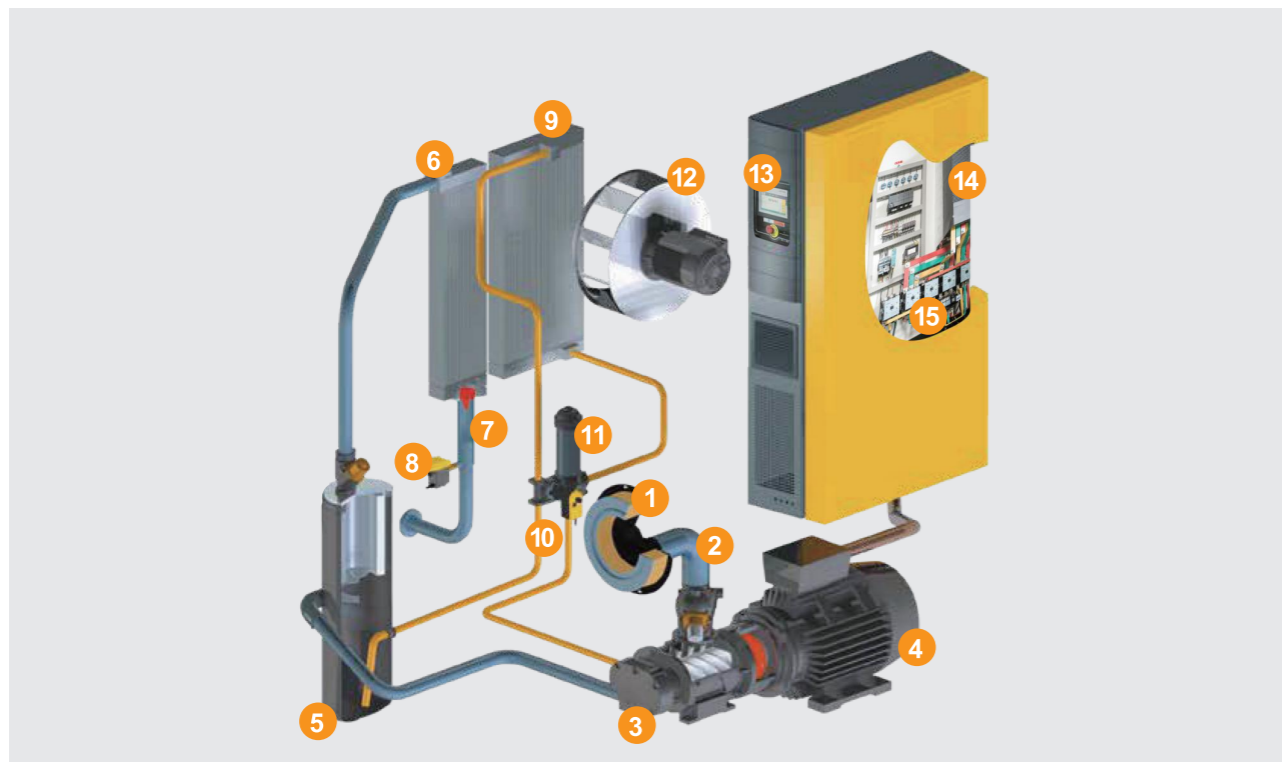
high quality series compressor  
Flow rate 0.31-58m<sup>3</sup>/min  
Power rate 2.2-315kw

# How it works

The airend (3) is driven by an electric motor (4). The fluid injected primarily for cooling purposes during the compression process is re-separated from the air in the fluid separator (5). The integrated fan ensures cooling of the compressor package and also provides sufficient flow of cooling air through the oil cooler and compressed air aftercooler (6 and 9).

The controller ensures that the compressor produces compressed air within the set pressure limits. Safety functions protect the compressor against failure of key systems via automatic shutdown capability.

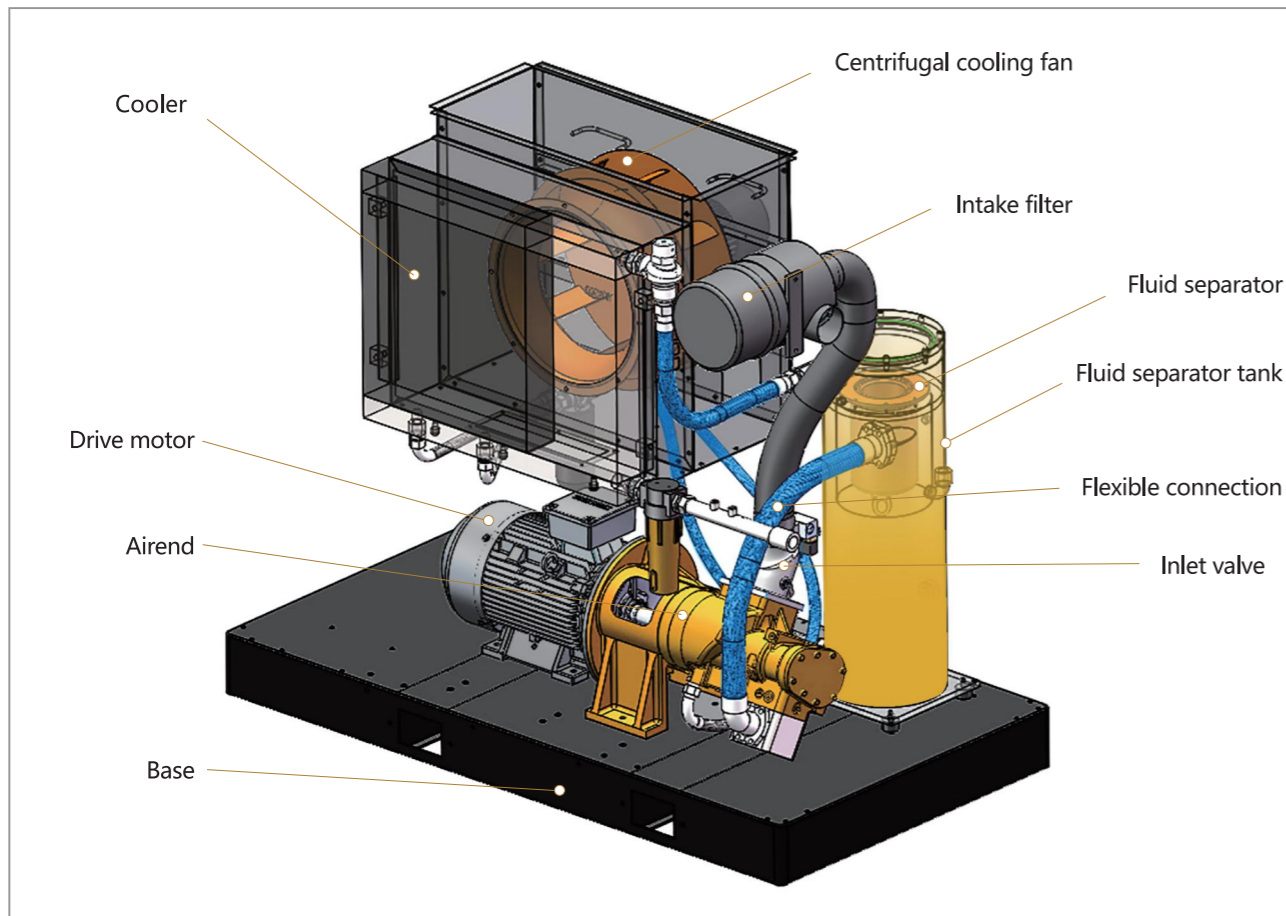
- 1 Intake Filter
- 2 Inlet Valve
- 3 Airend
- 4 Drive Motor
- 5 Fluid Separator Tank
- 6 Compressed Air Aftercooler
- 7 Centrifugal Separator
- 8 Condensate Drain
- 9 Fluid Cooler
- 10 Thermo Management
- 11 Fluid Filter
- 12 Radial Fan
- 13 Control Touch Screen
- 14 Inverter
- 15 Electrical Components



## KOTECH Industrial IOT 4.0 For Intelligent Air Compressor Station



# Quality



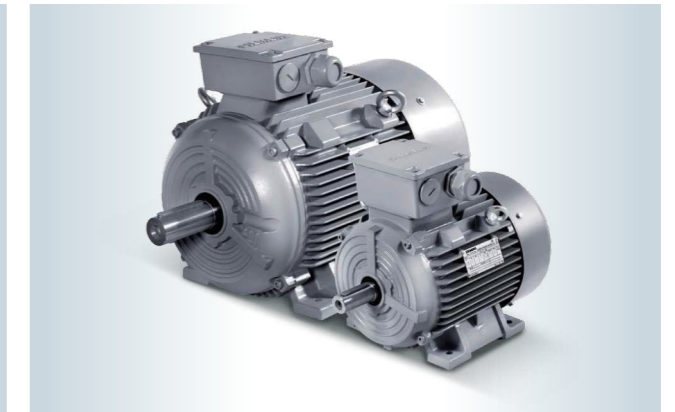
Assembly	Brand	Origin
Air End	GHH	CHINA
Drive Motor	Siemens	CHINA
Inverter	Siemens	CHINA
Electrical System	Siemens	CHINA
Inlet Air Modulate Valve	VMC	CHINA
Thermostatic Control Valve	VMC	CHINA
Filtration System	Donaldson	CHINA
Bearing	SKF	CHINA
Coupling	KTR	CHINA

We have more international suppliers ...

# Quality



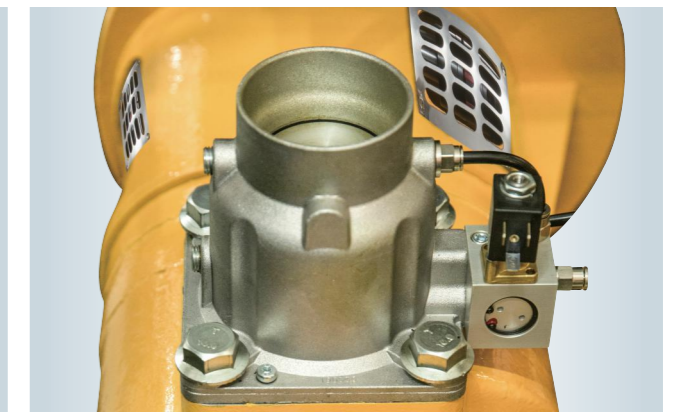
The world-renowned German GHH main-frame is characterized by remarkable efficiency and stability.



The classic Siemens motor is suitable for constant speed or variable frequency speed control applications of KOTECH air compressor.



Siemens man-machine control panel, let KOTECH air compressor simple operation, farewell cumbersome.



VMC intake valve ensures stable intake adjustment and loading and unloading of the KOTECH air compressor.

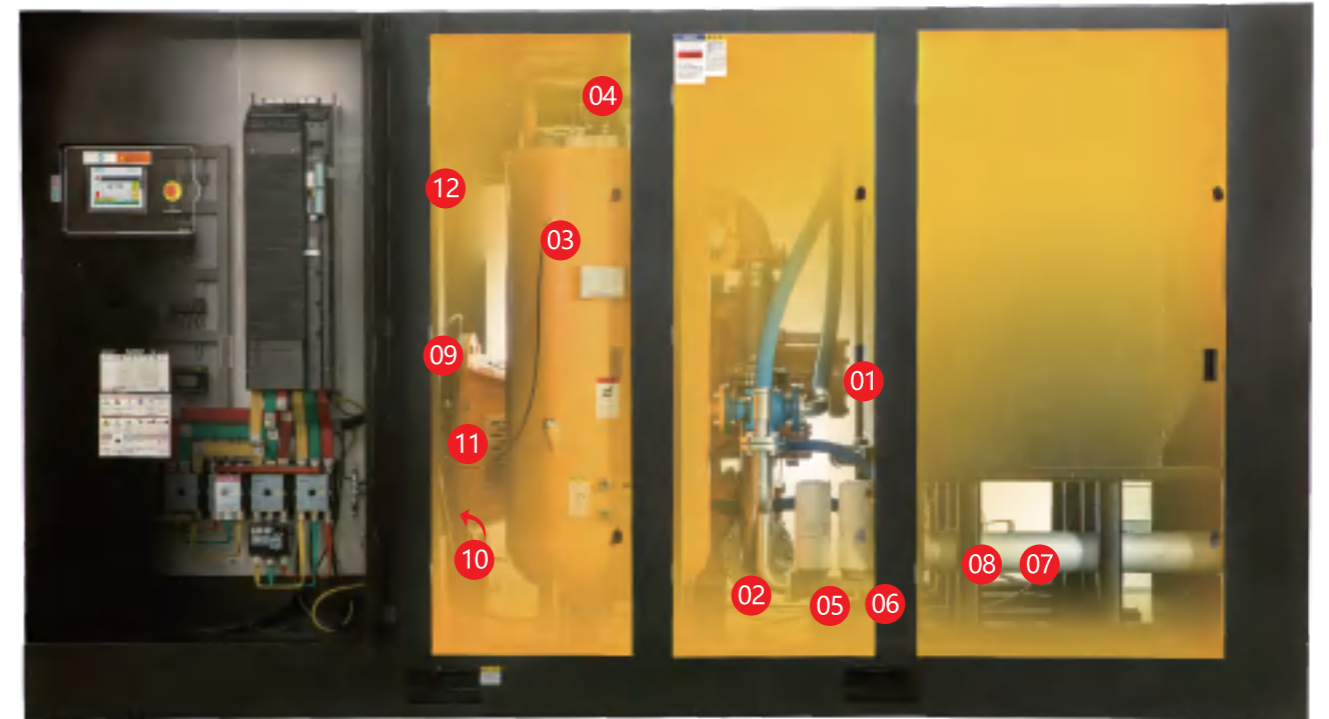
# Intellectual 智能



KOTECH air compressor preferred Siemens CPU controls the operating status of the air compressor in real time. For example, complex logic control such as variable speed regulation, intake air regulation, and temperature regulation.

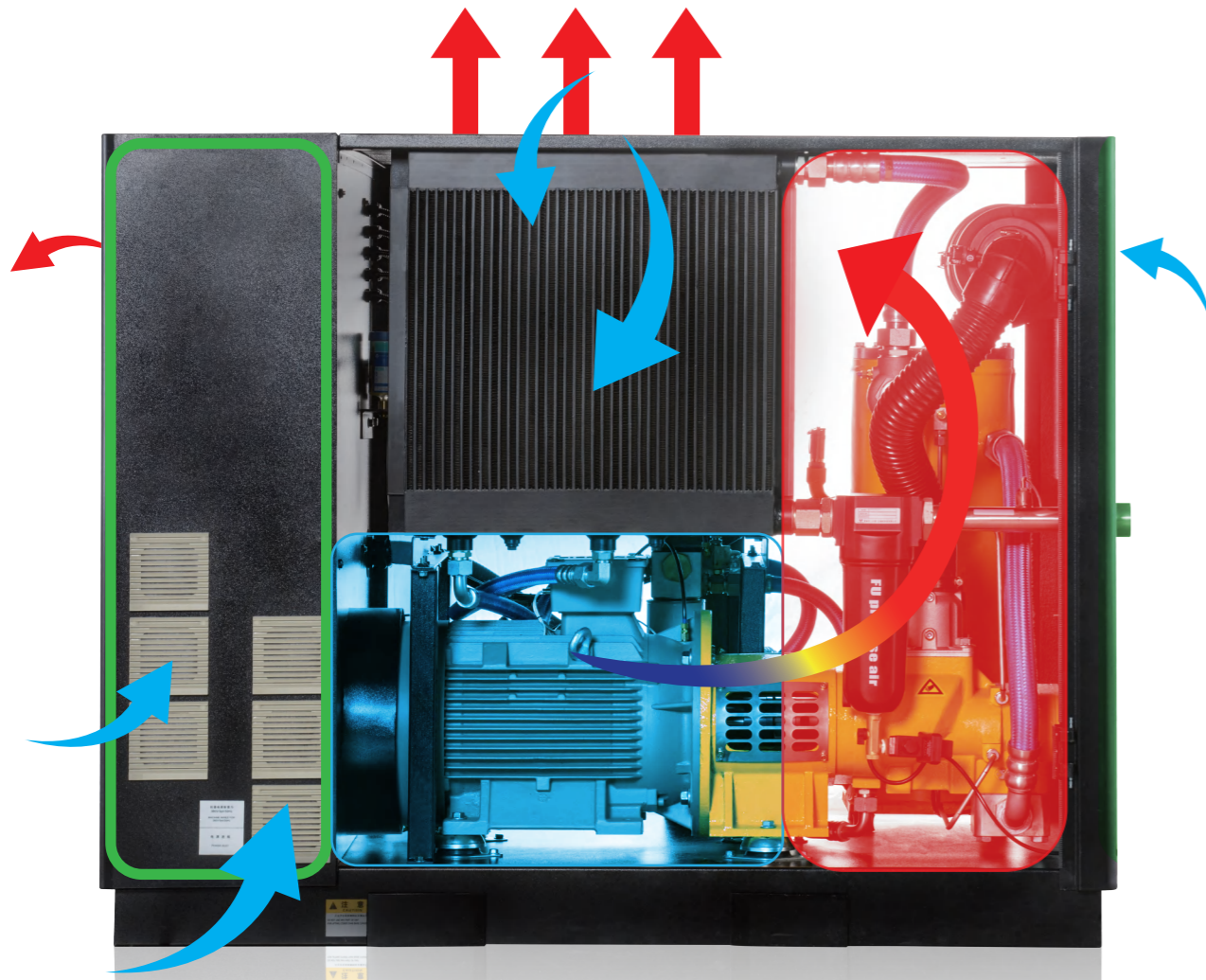


# Intellectual 智能



- 01 P1 pressure-sensor detects the exhaust pressure of air end
- 02 T1 temperature sensor - detects the air end exhaust temperature
- 03 P2 pressure sensor - detects oil barrel pressure
- 04 T2 temperature sensor - detects oil barrel temperature
- 05 P3 pressure sensor - detects the inlet oil pressure
- 06 T3 temperature sensor - detects the inlet oil temperature
- 07 P4 pressure sensor - detects air compressor discharge pressure
- 08 T4 temperature sensor - detects compressor exhaust temperature
- 09 T5 temperature sensor - detects motor front bearing
- 10 T6 temperature sensor - detects motor rear bearing
- 11 T7 PTC sensor - protects motor coil temperature
- 12 Motor automatic injected oiler

# Reliable



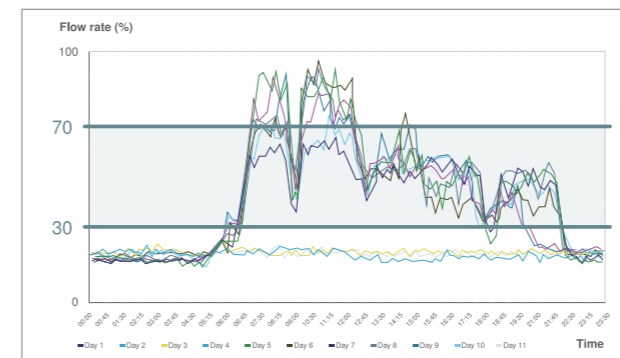
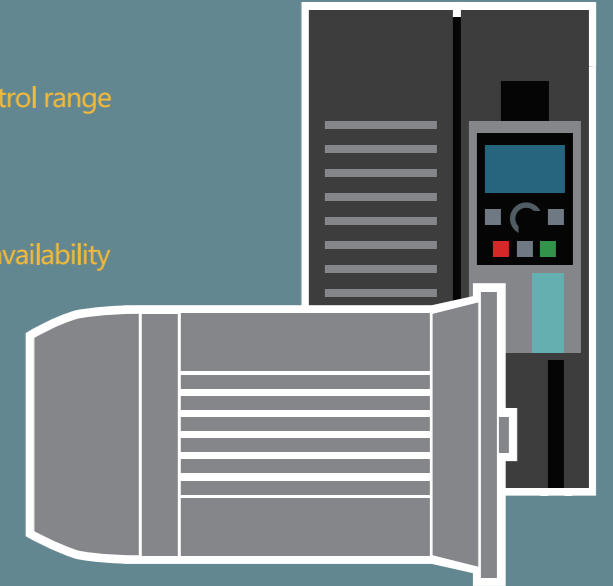
Hot and cold partition design ensures the best operation of each component.

1. Independently inhaled and inhaled natural gas at normal temperature;
2. Ensure the drive motor has good heat dissipation;
3. Independent electric cabinet ensures good heat dissipation and service life;
4. The machinery and electrical appliances are completely isolated, more safer and stable;
5. The compressor can be operated at an ambient temperature of up to 46 °C.

# Energy saving

## Your benefits at a glance

- ✓ Best system efficiency
- ✓ Maximum energy efficiency throughout the control range
- ✓ Durable and service-friendly drive
- ✓ Minimal operating costs, high productivity and availability
- ✓ Advanced drive technology
- ✓ Industrie 4.0 ready
- ✓ Frequency conversion control and drive system by Siemens technology



### Minimal operating costs – exceptional productivity

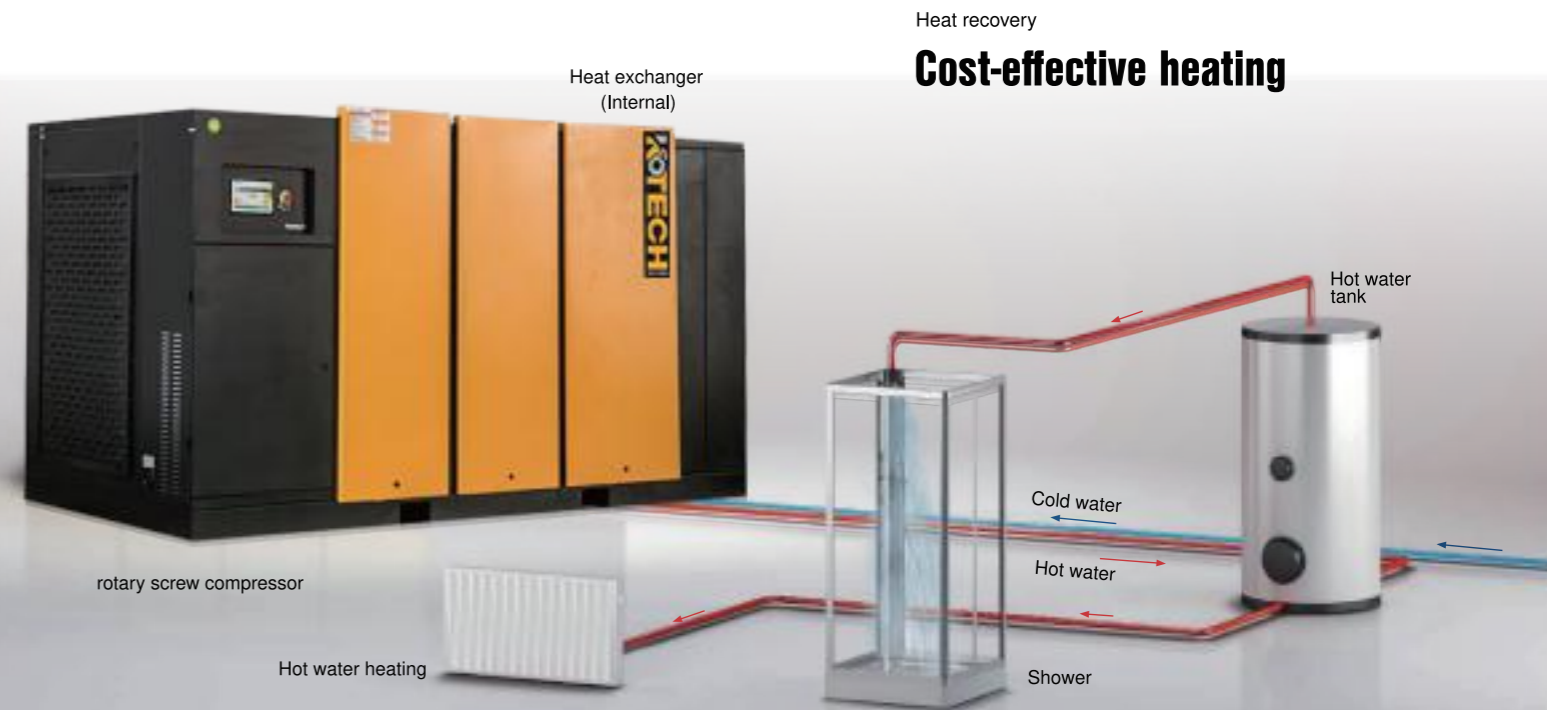
Significantly greater efficiency– especially in the partialload range – than comparable asynchronous systems helps achieve considerable energy savings. The ultra–high stability of Siemens motors increases the productivity of machines and systems.



### High efficiency in partial-load operation

For example, Siemens motors maintain a constant efficiency over a partial load range, This allows savings of up to 8 % compared with conventional variable–speed systems.

# Environmental protection



Up to  
**+70° C**  
hot



## Process, heating and service water

Hot water, up to 70 ° C, can be produced from reusable compressor heat via heat exchanger systems. Please contact Fu promise air regarding higher temperature requirements.



## Clean hot water

If no other water circuit is interconnected, special fail-safe heat exchangers meet the highest demands for the purity of the water being warmed, as is the case with cleaning water in the food industry for example.

# Service

## AirCare - flexible maintenance with consistent compressed air quality

AirCare is a fast-responding and flexible maintenance program provided by KOTECH air, which provides customers with the necessary repair services according to their needs. It ensures the elimination of down time due to unplanned maintenance and eliminates the expense of installing expensive monitoring systems and the cost of training in various compression techniques.

1. Comprehensive maintenance;
2. Reduce costs and provide productivity;
3. Comprehensive air system assessment.



Model	Air delivery m <sup>3</sup> /min	Working Pressure Bar(g)	Output Diameter BSPT	Diameter mm	Noise d(BA)	Weight kg
KFU-2.2	0.31 0.25	7 8	1/2	750*600*715	58	78
KFU-2.2FC	0.12-0.3 0.1-0.25	7 8	1/2	750*600*715	58	83
KFU-4	0.65 0.46 0.4	7 10 12.5	1/2	750*600*715	58	85
KFU-4FC	0.26-0.65 0.18-0.46 0.16-0.4	7 10 12.5	1/2	750*600*715	58	90
KFU-5.5	0.82 0.7 0.6	7 10 12.5	1/2	750*600*715	58	210
KFU-5.5FC	0.33-0.82 0.28-0.7 0.24-0.6	7 10 12.5	1/2	750*600*715	58	215
KFU-7.5	1.4 1.37 1.26 1.2 1.13 1.0 /	6 7 8 9 10 12.5 13	0.75"	880*745*1020	60	220
KFU-7.5FC	0.56-1.4 0.55-1.37 0.5-1.26 0.48-1.2 0.45-1.13 0.4-1.0 /	6 7 8 9 10 12.5 13	0.75"	880*745*1020	60	225
KFU-11	2.01 1.87 1.79 1.78 1.59 1.4 /	6 7 8 9 10 12.5 13	0.75"	880*745*1020	60	290
KFU-11FC	0.8-2.01 0.75-1.87 0.71-1.79 0.71-1.78 0.64-1.59 0.56-1.4 /	6 7 8 9 10 12.5 13	0.75"	880*745*1020	60	296
KFU-15FC	1.24-3.1 1.16-2.89 1.1-2.75 1.03-2.58 0.98-2.44 0.83-2.08	6 7 8 9 10 12.5	Rp1-1/4	1500*920*1220	61	406

Model	Air delivery m³/min	Working Pressure Bar(g)	Output Diameter BSPT	Diameter mm	Noise d(BA)	Weight kg
KFU-18.5FC	1.44-3.59	6	Rp1-1/4	1500*920*1320	62	524
	1.35-3.38	7				
	1.28-3.2	8				
	1.21-3.03	9				
	1.14-2.85	10				
	1.07-2.67	12.5				
KFU-22FC	1.55-3.87	6	Rp1-1/4	1500*920*1320	65	541
	1.48-3.7	7				
	1.41-3.53	8				
	1.34-3.35	9				
	1.27-3.18	10				
	1.13-2.83	12.5				
KFU-30FC	2.19-5.47	6	Rp1-1/4	1750*1080*1620	69	710
	2.12-5.31	7				
	2.0-5.01	8				
	1.89-4.71	9				
	1.77-4.42	10				
	1.58-3.95	12.5				
KFU-37FC	2.63-6.58	6	Rp1-1/4	1750*1080*1620	69	730
	2.51-6.28	7				
	2.47-6.17	8				
	2.3-5.76	9				
	2.22-5.54	10				
	1.98-4.94	12.5				
KFU-45FC	3.23-8.07	6	Rp1-1/4	1750*1080*1620	69	771
	3.06-7.65	7				
	2.94-7.36	8				
	2.8-7	9				
	2.68-6.71	10				
	2.42-6.05	12.5				
KFU-55	10.3	7.5	Rp2	2267*1460*1895	72	1478
	9.24	8.5				
	8.47	10				
	7.48	12.5				
KFU-55FC	4.12-10.3	7.5	Rp2	2267*1460*1895	72	1538
	3.7-9.24	8.5				
	3.39-8.47	10				
	3.0-7.48	12.5				
KFU-75	12.2	7.5	Rp2	2267*1460*1895	72	1485
	12.1	8.5				
	11.1	10				
	9.8	12.5				
KFU-75FC	4.88-12.2	7.5	Rp2	2267*1460*1895	72	1545
	4.84-12.1	8.5				
	4.44-11.1	10				
	3.92-9.8	12.5				
KFU-90	16.1	7.5	Rp2	2267*1460*1895	74	2100
	15.1	8.5				
	14.6	10				
	12	12.5				
KFU-90FC	6.44-16.1	6	Rp2	2267*1460*1895	74	2260
	6.04-15.1	7.5				
	5.84-14.6	10				
	4.8-12	12.5				

Model	Air delivery m³/min	Working Pressure Bar(g)	Output Diameter BSPT	Diameter mm	Noise d(BA)	Weight kg
KFU-110	20	7.5	DN80	2925*1680*2060	74	2250
	19.3	8.5				
	17.5	10				
	14.2	12.5				
KFU-110FC	8-20	7.5	DN80	2925*1680*2060	74	2410
	7.72-19.3	8.5				
	7-17.5	10				
	5.68-14.2	12.5				
KFU-132	24	7.5	DN80	2925*1680*2060	74	2450
	22.1	8.5				
	19.64	10				
KFU-132FC	17.3	12.5	DN80	2925*1680*2060	74	2610
	9.6-24	7.5				
	8.84-22.1	8.5				
	7.86-19.64	10				
	6.92-17.3	12.5				
KFU-160	29.4	7.5	DN80	2925*1680*2060	75	2900
	27.2	8.5				
	25	10				
	21.9	12.5				
KFU-160FC	11.76-29.4	7.5	DN80	2925*1680*2060	75	3220
	10.88-27.2	8.5				
	10-25.5	10				
	8.76-21.9	12.5				
KFU-185	32.9	7.5	DN80	2925*1680*2060	75	3150
	31.2	8.5				
	28.5	10				
	24.6	12.5				
KFU-185FC	13.16-32.9	7.5	DN80	2925*1680*2060	75	3390
	12.48-31.2	8.5				
	11.4-28.5	10				
	9.84-24.6	12.5				
KFU-200	37.7	7.5	DN100	3650*2080*2530	76	4130
	34.1	8.5				
	28.7	10				
	24.8	12.5				
KFU-200FC	15.08-37.7	7.5	DN100	3650*2080*2530	76	4450
	13.64-34.1	8.5				
	11.48-28.7	10				
	9.92-24.8	12.5				
KFU-250	45.9	7.5	DN100	3500*2080*2400	78	5020
	42.9	8.5				
	38.61	10				
	33.5	12.5				
KFU-250FC	18.36-45.9	7.5	DN100	3500*2080*2400	78	5340
	17.16-42.9	8.5				
	15.44-38.61	10				
	13.4-33.5	13				
KFU-315	58	7.5	DN100	3650*2080*2530	84	7760
	54	8.5				
KFU-315FC	23.2-58	7.5	DN100	3650*2080*2530	84	8160
	21.6-54	8.5				